

**CORRESPONDENCE/MEMORANDUM**

DATE: September 26, 2000

FILE REF: AMAA-47

TO: File

FROM: Jeff Myers – AM/7

**SUBJECT: Chemicals With “Adopted” Changes in the 2000 TLV Book, published by the ACGIH**

I have reviewed the “adopted” chemicals that are new to the 2000 TLV book and I have put the new/revised listings into a table that gives the name of the chemical, the CAS#, and TLV, AAC and uses or exposures as well the change in the NR 445 table listing that will be made.

<b>Chemical</b>	<b>CAS #</b>	<b>TLV</b>	<b>MW</b>	<b>Critical Effect</b>	<b>AAC ug/M3</b>	<b>Avg Time</b>	<b>&lt;25 ft Threshold Pounds Per Hour</b>	<b>25 ft -75 ft Threshold Pounds Per Hour</b>	<b>&gt;= 75 ft Threshold Pounds Per Hour</b>	<b>Uses or Exposures</b>	<b>Changes to NR 445</b>
Asphalt (Petroleum;Bitumen) fume	8052-42-4	0.5 mg/M3	-	Irritation	12	24	0.0269	0.1043	0.8108	Road building; Roofing	Add to Table 1
Bis(2-dimethylaminoethyl) ether (DMAEE)	3033-62-3	0.05 ppm	160.26	Irritation; Vision	7.9	24	0.0176	0.0684	0.5315	Amine catalyst	Add to Table 1
2,2-Dichloropropionic acid	75-99-0	5 mg/M3	142.97	Irritation	120	24	0.2686	1.0435	6.1061	Herbicide	Change AAC in Table 2
Ethyl tert-butyl ether (ETBE)	637-92-3	5 ppm	102.18	Irritation; pulmonary function; CNS; reproductive	501	24	1.1224	4.3606	33.6649	Gasoline additive	Add to Table 1
Flour dust (inhalable fraction)	-	0.5 mg/M3	-	Asthma; pulmonary function; bronchitis	12	24	0.0269	0.1043	0.8108	Grain/flour handling/storage facilities	Add to Table 1
Maleic anhydride	108-31-6	0.1 ppm	98.06	Irritation; asthma	9.6	24	0.0215	0.0637	0.6504	Polymers; Resins; Chemical intermediate	Change AAC in Table 1
Methyl methacrylate	80-62-6	50 ppm	100.13	Irritation; dermatitis	4,914	24	10.990	48.7335	332.0511	Polymers	Change AAC in Table 1

**Chemicals With “Adopted” Changes in the 2000 TLV Book, published by the ACGIH**

Chemical	CAS #	TLV	MW	Critical Effect	AAC ug/M3	Avg Time	<25 ft Threshold Pounds Per Hour	25 ft -75 ft Threshold Pounds Per Hour	>= 75 ft Threshold Pounds Per Hour	Uses or Exposures	Changes to NR 445
P,p'-Oxybis(benzenesulfonyl hydrazide)	80-51-3	0.1 mg/M3	326.00	Irritation	2.4	24	0.0054	0.0209	0.1622	Blowing agent for sponge rubber & expanded plastics	Add to Table 1
Pentyl acetate (all isomers)	628-63-7; 626-38-0; 123-92-2; 625-16-1; 624-41-9; 620-11-1	50 ppm	130.20	Irritation	6,390	24	14.3	55.6	432	Solvent	Add to Table 1
Silica, Crystalline (respirable size), including crystobalite, quartz, tridymite, tripoli. New 2000 TLV for quartz	14464-46-1; 14808-60-7; 15468-32-3; 1317-95-9	0.05 mg/M3 except tripoli 0.1 mg/M3	-	Silicosis (except tripoli); pulmonary fibrosis; Cancer (quartz only); Pulmonary function (quartz only)	1.2 to 2.4	24	0.0027	0.0104	0.0811	Quarries; Mines; Road building; Construction; Foundries; Ceramics; Windblown dust	List in Table 1 when TLV is based on non-cancer effects. Compliance requirements for crystalline and amorphous silica after workgroup reviews.
Tetrafluoroethylene	116-14-3	2 ppm	72.10	Irritation; narcosis	142	24	0.3168	1.2308	9.5639	Polymers; Propellants	Add to Table 1